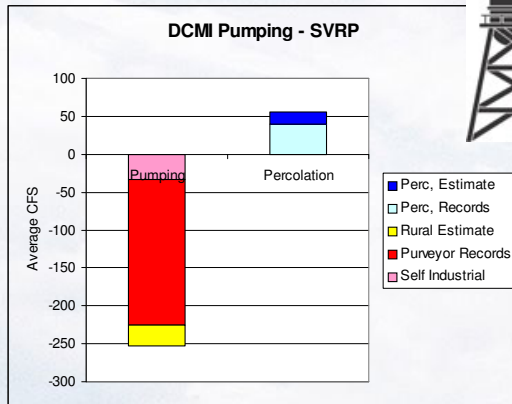
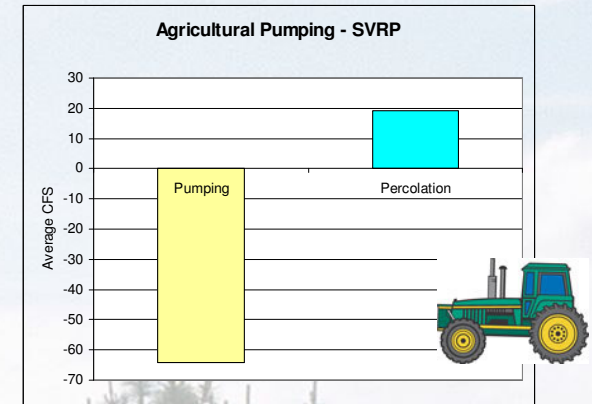
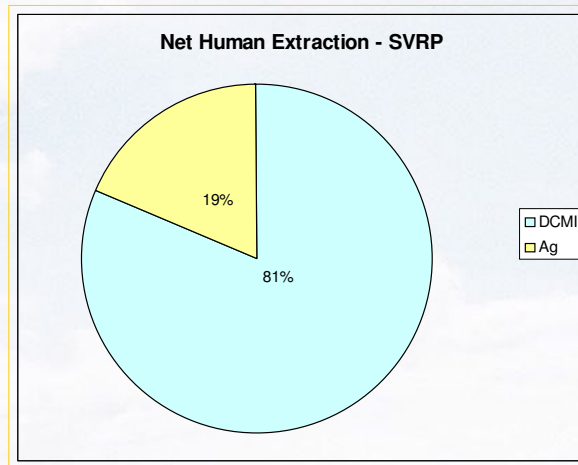


Human Water Use on the Spokane Valley-Rathdrum Prairie Aquifer

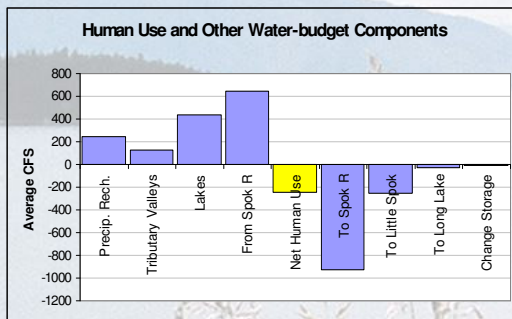


Most Domestic, Commercial, Municipal and Industrial (DCMI) pumping information is from pumping records provided to the USGS by water purveyors. Self-supplied industrial pumping is from prior reports or water-rights data. Rural and small-town use is estimated. Please see the related poster "Water-use Data Collection Efforts for the Spokane Valley-Rathdrum Prairie Aquifer Study."

Part of the pumped water percolates back to the aquifer from landscape irrigation or from septic-tank leach fields.

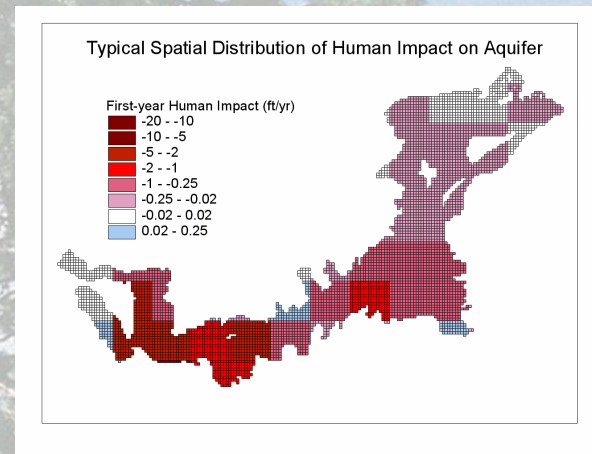
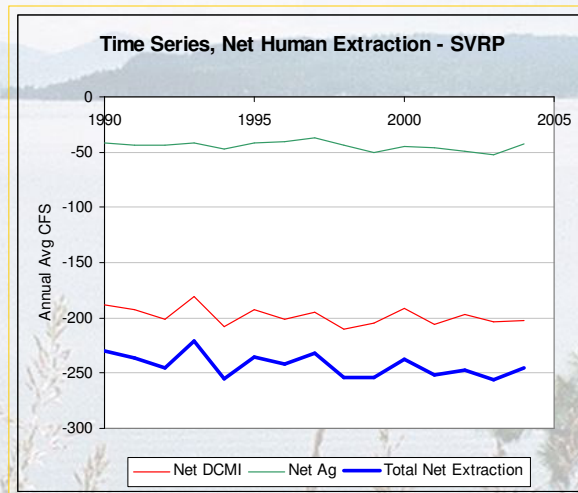


Most agricultural pumping is estimated based on crop mix and evapotranspiration. Some comes from purveyor-provided pumping records.



Direct human use of water from the aquifer is only a small part of the total water budget.

While recharge from precipitation is affected somewhat by development (due to impermeable surfaces and infiltration basins), most other components of the water budget are very difficult for humans to manipulate or influence.



Total human extraction mirrors population density. The areas that show slight recharge (blue areas) are locations where there is some percolation from water that was pumped from municipal wells in adjacent areas.